

In re Patent Application of:  
**PETKUS ET AL.**  
Serial No. 10/806,949  
Filing Date: March 23, 2004

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**REMARKS**

The Examiner is thanked for the thorough examination of the present application. The Examiner is also thanked for withdrawing the rejection over the previously cited prior art. The Examiner's provisional obviousness-type double patenting rejection may be addressed by filing a Terminal Disclaimer in the present application when it is in a condition for allowance, or in the co-pending applications should they issue as a patent. The patentability of the present claims is discussed below.

**I. The Claimed Invention**

The invention, as recited in independent Claim 1, for example, is directed to a cryptographic device including a cryptographic module and a communications module removably coupled thereto. The cryptographic module includes a first housing, a wired Ethernet user Local Area Network (LAN) interface carried by the first housing, a cryptographic processor carried by the first housing and coupled to the wired Ethernet user LAN interface, and a first connector carried by the first housing and coupled to the cryptographic processor. The communications module includes a second housing, a second connector carried by the second housing and removably mateable with the first connector. The cryptographic processor also includes a network communications interface carried by the second housing and coupled to the first connector.

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Independent Claim 13 is directed to a corresponding cryptographic device where the communications module includes a network LAN interface, and the communications module includes a predetermined one from among a plurality of interchangeable communications modules each for communicating over a different communications media.

Independent Claim 23 is a method counterpart of independent Claim 1. Independent Claim 27 is a system counterpart of independent Claim 1.

## **II. The Claims Are Patentable**

The Examiner rejected independent Claims 1, 13, 23, and 27 over Hay et al. Hay et al. is directed to a field deployable wireless networking device. More particularly, Hay et al. discloses a wireless networking device that has a weatherproof housing that protects a radio transceiver module, a network router, and an encryption module.

Applicants submit that the Examiner mischaracterized Hay et al. as it fails to disclose at least the cryptographic module including a first housing being removably coupled to the communications module including a second housing. The Examiner contended that Hay et al. discloses a cryptographic module comprising a first housing. More particularly, the Examiner contended that the encryption module 140 of Hay et al. being housed on a first component somehow corresponds to the claimed cryptographic module comprising a first housing. Hay et al. discloses a single outer housing 110.

As shown in FIG. 1A, wireless networking device 100 includes an outer

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housing 110, a communication component 120, and a tripod stand 130. Outer housing 110 is designed to be weather resistant and/or weather proof." (See Hay et al., paragraph 0021).

Wireless networking device 100 can include a number of components secured within outer housing 110. As shown in FIG. 1A, outer housing 110 may include an encryption module 140, a network router 145, a radio transceiver module 150, a power source 160, a video unit 170, a satellite uplink 180, and amplifier 185. (See Hay et al., paragraph 0027).

Indeed, Hay et al. discloses a single housing 110 that includes both encryption and communications components.

However, if, as the Examiner contends, any hypothetical component housing of the encryption module were to somehow correspond to the claimed cryptographic module including a first housing, then Hay et al. fails to disclose a wired Ethernet user LAN interface carried by the first housing. Applying the Examiner's reasoning would require the wired Ethernet user LAN interface to be carried by the encryption module 140. In contrast, Hay et al. discloses an RJ-45 port carried by the outer housing 110 and "connected to the radio transceiver module 150 and encryption module 140 through network router 145." (See Hay et al., paragraph 0023). Accordingly, Hay et al. fails to disclose at least the cryptographic module including a first housing being removably coupled to the communications module including a second housing, and the cryptographic module including a wired Ethernet user LAN interface carried by the first housing.

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Similarly, the Examiner contended that Hay et al. teaches, "another component housing the communications module." More particularly, the Examiner contended that the radio transceiver module of the communications component of Hay et al. somehow corresponds to the claimed communications module. Applicants point out that the communications component 120 and the radio transceiver 150 of Hay et al. are separate components. Communications component 120 includes an antenna and is external to the housing 110, while the transceiver module 150 is included within the housing 110. (See Hay et al., paragraphs 0022 and 0027, and Figure 1A). Accordingly, Hay et al. also fails to disclose a communications module including a second housing and removably coupled to the cryptographic processor.

The Examiner also contended that the antenna or mast on the communications component 120 somehow corresponds to the claimed network communications interface carried by the second housing and coupled to the second connector. As noted above, the antenna is external to the housing 110. Moreover, cables couple the antenna to the wireless device 100. (See Hay et al., paragraph 0024). If the antenna were somehow even carried by housing 110, even though it is not since it is coupled to the device by cables, then the Examiner could not contend that "another component housing the communications module" corresponds to the claimed communications module second housing, as this would mean that any housing of the communications module is a different housing from the housing 110. Thus, Hay et al. fails to disclose a network

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communications interface carried by the second housing and coupled to the second connector.

Moreover, under this particular interpretation of the Examiner, if the housing 110 were to somehow correspond to the claimed second housing, then there is no cryptographic processor including a first housing, and the modules are not removably coupled, as the encryption module of Hay et al. is also carried by the outer housing 110. (See, for example, Hay et al., Figure 1A, which is reproduced below for reference).

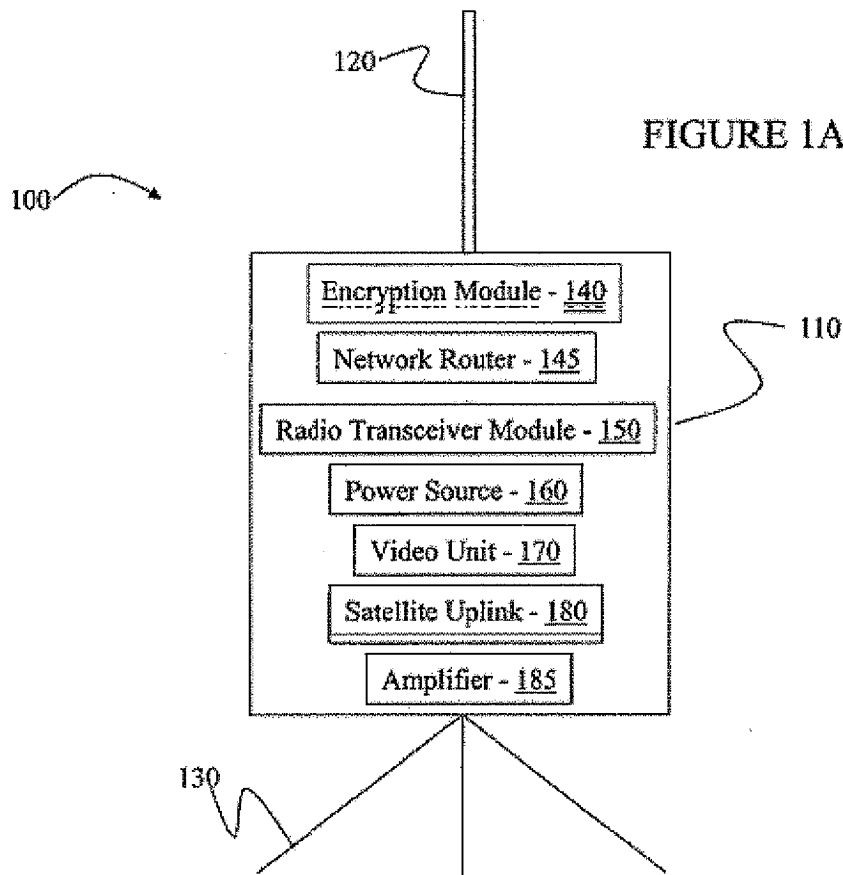


FIG. 1A of Hay et al.

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Additionally, while each of the encryption module 140 and the transceiver module 150 may be interchangeable within the housing 110, nowhere does Hay et al. teach or suggest a second connector carried by the second housing and being removably mateable with the first connector of the cryptographic module. Such interpretation would require the encryption module 140 and the transceiver module 150 to include respective connectors that are removably mateable with each other. There is simply nothing in Hay et al. that teaches or suggests these limitations. There is nothing in Hay et al. that teaches or suggest each module includes a respective housing, and there is nothing in Hay et al. that precludes each module from being a circuit, a circuit board, or discrete components within the housing 110.

Moreover while the Applicants understand the Examiner may give the present claims a broad interpretation, the Examiner is reminded that any interpretation of the claims must be reasonable. Indeed, the interpretation of the claims to read on component housings is unreasonable. Accordingly, Hay et al. fails to disclose the claimed invention, as recited in independent Claims 1, 13, 23, and 27.

It is submitted that independent Claims 1, 13, 23, and 27 are patentable over the prior art. Their respective dependent claims, which recite yet further distinguishing features, are also patentable over the prior art and require no further discussion herein.

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### III. Conclusion

In view of the foregoing remarks, it is respectfully submitted that the present application is in condition for allowance. An early notice thereof is earnestly solicited. If, after reviewing this Response, there are any remaining informalities which need to be resolved before the application can be passed to issue, the Examiner is invited and respectfully requested to contact the undersigned by telephone to resolve such informalities.

Respectfully submitted,



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